Team 23 - Sprint Planning Document

Sprint Overview:
During this sprint, we hope to finish the initial setup as well as all account creation, deletion, signing in functionality, organization profile creation, event creation, and to at least start inventory storage for organization users. The frontend team will be responsible for creating a website design and implementing that with our interface. The backend will be setting up a database and controller to create a successful and secure way for users to login.

Scrum Master: Natalie Harrison

Meeting Plan: Monday/Wednesday/Friday after CS307 lecture. (2:25 - 3:15) and group calls on Tuesday and Thursday evenings. (Typically 9-10)

Risks and Challenges:
Some of us are not familiar with the environments in which we will be coding in, so we will need to get used to React, SQL, and utilizing an API. As this is the first sprint, learning how to code effectively together will take some time.

User Story #1:
As a user, I would like to create an account.

#	Description	Estimated Time	Team	Owner
1.	Create the user interface for user registration	3	Front	Susan
2.	Create the user interface for organization registration	3	Front	Susan
3.	Connect interface to the API	3	Back	Aanya
4.	Create an information disclaimer statement	.5	Front	Natalie
5.	Set up back end server/API	4	Back	Varun
6.	Set up database	3	Back	Varun
7.	Implement functionality for account creation on back end (for user and org)	3	Back	Aanya
8.	Create email verification used for	1	Front	Natalie

	initially setting up an account (Backend already setup for reset password)			

Acceptance Criteria for #1:
- Given that the email has not been taken, the password is strong, and all other relevant information is valid, when a request to create an account is made then the user's data will be added to the database
- Given that an account has been successfully created, when the user has been logged in then the user should be taken to their respective home page depending on the user type
- Given that any of the necessary data is not valid, when a user is trying to create an account, then they should receive an error message

User Story #2
As a user, I would like to log into my account securely.

#	Description	Estimated Time	Team	Owner
1.	Create the user login interface	2	Front	Susan
2.	Create the company login interface	3	Front	Susan
3.	Retrieve the data from the backend and check if correct	3	Back	Aanya
4.	Test to see if login is correct and returns the right data	3	Front	Susan
5.	Implement backend to check if credentials are correct	3	Back	Aanya

Acceptance Criteria for #2:
- Given that the user clicks on the user login button, the user will be directed to the user login page
- Given that the user credentials are valid, when a user is logging in, then they will be directed to their respective homepage
- Given that the user credentials are invalid, when a user is logging in, then they will receive an error message
- Given that the user fails to login 10 times with the same email or username, an email will be sent to the user regarding suspicious activity

User Story #3

As a user, I would like to reset my password.

#	Description	Estimated Time	Team	Owner
1.	Implement backend to update user credentials	3	Back	Varun
2.	Set up emailing system for forgotten password	3	Back	Aanya
3.	Create unique links to reset passwords	4	Back	Aanya
4.	Create reset password screen	1	Front	Natalie
5.	Create reset password email	1	Front	Natalie

Acceptance Criteria for #3:
- Given that a user cannot remember their credentials, when logging in, then the user will be prompted to reset their password
- Given that a user is attempting to reset their password, when logging in, then the user will receive an email with a link to reset their password
- Given that the user has been emailed a unique link, when resetting their password, then the link will take them to a page where they can reset their password

User Story #4
As an organization, I would like to add, edit, and delete employee accounts to my organization.

#	Description	Estimated Time	Team	Owner
1.	Implement functionality to add/remove/edit employees to specific organization	4	Back	Varun
2.	Design/Create the user's create employee account webpage.	2	Front	Natalie
3.	Design/Create the user's delete employee account webpage.	2	Front	Natalie

Acceptance Criteria for #4:
- Given that an account has been successfully edited, when the organization edits an account, then the newly edited credentials should function for users to login
- Given that an account has been successfully created, when the organization creates an account, then the newly created credentials should function for users to login

● Given that an account has been successfully deleted, when the organization deletes an account, then the newly deleted credentials should no longer function for users to login

User Story #5
As a user, I would like to delete my account.

#	Description	Estimated Time	Team	Owner
1.	Create the account delete button	1	Front	Susan
2.	Create the account deletion verification disclaimer	1	Front	Susan
3.	Connect interface to the backend to delete	3	Back	Varun
4.	Create a success or failure disclaimer and logout	2	Front	Susan
5.	Test to see if account is actually deleted from database	3	Front and Back	Aanya

Acceptance Criteria for #5:
● Given that there is an error in deleting their account, when a user is deleting their account, then the user should receive an error message
● Given that the UI to delete users is created successfully, when a user is trying to delete their account, then the user should be able to easily access this feature and delete their account
● Given that a user is deleting their account, when they have finally deleted their account, then the user should be given a dialog to confirm that their account has been deleted

User Story #6
As an organization, I would like to have a profile listing my locations, mission statement, and logo.

#	Description	Estimated Time	Team	Owner
1.	Design and create the organization profile	2	Front	Susan
2.	Create functionality to input data	3	Front	Susan
3.	Implement functionality to track listings in backend	2	Back	Varun

#	Description	Estimated Time	Team	Owner
4.	Create functionality to update data and a "success" popup	2	Front	Susan
5.	Test to see if the company can see the page and update data	4	Front	Susan
6.	Implement functionality to upload and retrieve logo	2	Back	Varun

Acceptance Criteria for #6:
- Given that an organization presses the save button, the new information is sent and updated and the organization can then view their updated information.
- Given that the backend successfully updates the data, when an organization presses the save button, then the organization should see a success dialog
- Given that an organization has uploaded a logo, the organization can view their logo on their profile in its original format

User Story #7
As a user, I would like to have a homepage to navigate the website.

#	Description	Estimated Time	Team	Owner
1.	Design/Create UI for user homepage	2	Front	Susan
2.	Design/Create UI for employee homepage	2	Front	Natalie
3.	Design/Create UI for manager homepage	2	Front	Susan
4.	Design/Create UI for organization homepage	2	Front	Natalie
5.	Using backend to retrieve current information on the homepage	2	Back	Aanya

Acceptance Criteria for #7:
- Given that the login or registration was successful, the correct homepage should load up given the role that the user logged in as.
- Given that the site is still running, when a user is trying to navigate the site, each interactable object (buttons, inputs, forms) does the correct task.
- Given that the homepage does not have any major deformations and every object is easily locatable and accessible. This can be determined by alignment, overall design, and readability.

User Story #8

As a user, I would like to view an organization's profile.

#	Description	Estimated Time	Team	Owner
1.	Design/Create UI for user profile view	2	Front	Natalie
2.	Utilize backend to retrieve profile of an organization	1	Back	Varun
3.	Create backend to sort profiles	2	Back	Varun

Acceptance Criteria for #6:
- Given that the user clicked to see an organization's profile, the correct profile should open on their screen and be readable
- Given that the user clicked off of the organization's profile, the profile should close and the user should be sent to the page they were viewing before
- Given that the user clicks on a button to see the organization's around their area, they would be taken to a page where it lists the organizations closest to them

User Story #9

As an organization, I would like to create an event.

#	Description	Estimated Time	Team	Owner
1.	Design/Create UI for organization event creation	3	Front	Natalie
2.	Create backend to add events to database	2	Back	Aanya
3.	Design/Create UI for individual event page view	2	Front	Natalie
4.	Design/Create successful event creation page.	1	Front	Natalie
5.	Create method to check if event already exists	1	Back	Aanya
6.	Create method to assign managers and employees to events	1	Back	Varun

Acceptance Criteria for #9:
- Given that the user clicked a button to create a new event, the UI for the event creation should pop up on their screen with readily inputted boxes
- Given that the user clicked a button to create and save their new event, the correct data will be sent to the backlog and saved and the event will be added and updated in real time

User Story #10

As a user, I would like to view an event.

#	Description	Estimated Time	Team	Owner
1.	Design/Create UI for user event view	3	Front	Natalie
2.	Create backend to retrieve event data to the frontend	2	Back	Aanya
3.	Create backend for an RSVP function	2	Back	Aanya
4.	Design/Create the successful reservation page, add the event to the user's list of upcoming events	1	Front	Natalie
5.	Design/Create organization, manager, and employee view of an event	2	Front	Natalie

Acceptance Criteria for #10:
- Given that the user clicked to see an event, the event will pop up on their screen with a title, date, location, and description of the event they want to see
- Given that a user clicks off of the event, the event will disappear and they will be taken to the screen they were viewing before
- Given that the user clicks the RSVP button, the userID will be sent over to the backend and added to a list of users attending an event and the event will be added to the user's list of upcoming events
- Given that organizations, managers, and employees can also view created events.

User Story #11

As an organization, I would like to add items to my inventory.

#	Description	Estimated Time	Team	Owner
1.	Design/Create UI for adding	2	Front	Natalie

#	Description	Estimated Time	Team	Owner
	organization inventory			
2.	Retrieve data from the backend and update information accordingly	2	Back	Varun
3.	Ensure picture design is considered for future implementation. (Default pictures for now)	1	Front	Natalie
4.	Setup default picture storage	2	Back	Varun
5.	Design/Create successfully added inventory page	1	Front	Natalie

Acceptance Criteria for #11:
- Given that the user clicked to add a new item in the inventory and the current user has the correct permission to add items, the item UI will pop up on their screen with corresponding input boxes and a save button.
- Given that a user clicked to exit the item, the information they had in the page will not be saved and it will return to the page they were previously on
- Given that the user clicked a button to save the new item, the item will be sent and saved to the backend and be updated in real time
- (Tentative) Given that the user decides to take a picture of the item in stock and uploads it, the picture will be shown along with the rest of the data to any users who click on the item

User Story #12

As an organization, I would like to view, edit, and delete my inventory.

#	Description	Estimated Time	Team	Owner
1.	Design/Create UI for an organization viewing inventory in list form	2	Front	Natalie
2.	Design/Create UI for editing inventory	2	Front	Natalie
3.	Design/Create UI for deleting inventory	1	Front	Natalie
3.	Connect the user inputted data to	2	Back	Varun

	the backend			
4.	Create methods for efficient inventory management	2	Back	Varun
5.	Design/Create UI for viewing an individual item (individual item information page)	2	Front	Natalie
6.	Update and delete items according to a user's request	2	Back	Aanya

Acceptance Criteria for #12:
- Given that the organization clicked on the edit inventory button, the app loads up the page that edits the organization's inventory with a list of their correct inventory
- Given that the organization clicked on a specific item, the page for viewing an individual item should pop up and should be editable
- Given that the organization clicked to save a changed item, the updated information should be shown in the inventory and a success screen will be present
- Given that if required fields are empty, an error message will appear

Remaining Backlog

Functional Requirements:

#	Functional Requirements
1.	As a donor-oriented user, I would like to view where I can donate items to organizations.
2.	As a user, I would like to have the option to request a pick-up location. Face-to-face, drop off, or at a public location.
3.	As a donor-oriented user and an employee, I would like to fulfill user requests.
4.	As a receiver-oriented user, I would like to request items both inside and outside of the catalog.
5.	As a user, I would like to have the option of having a donor-oriented screen or

	receiver-oriented screen.
6.	As a user, I would like to be notified of what my general information is used for and be able to deny giving certain information for some app functionalities.
7.	As an organization, I would like to view organization managers/registered employees.
8.	As a donor-oriented user, I would like to deliver items for organizations.
9.	As a receiver-oriented user, I would like to check item delivery status.
10.	As a donor-oriented user, I would like to see local requests.
11.	As a user, I would like to update my donor-oriented status or receiver-oriented status.
12.	As an organization/organization manager, I would like to search for items by category in my inventory.
13.	As an organization/organization manager, I would like to search for items by name in my inventory.
14.	As an organization/organization manager, I would like to search for items by reference number in my inventory.
15.	As a user, I would like to search for items by category in the catalog.
16.	As a user, I would like to search for items by name in the catalog.
17.	As a user, I would like to browse items separate from the search menu.
18.	As an organization/organization manager, I would like to utilize demand forecasting to manage inventory supplies.
19.	As an organization/organization manager, I would like to make custom hashtags/custom categories.
20.	As a user, I would like to view pictures of items in the catalog/inventory.
21.	As a user, I would like to be able to upload an image or a default image of my item when donating or creating a new item in inventory.
22.	As a user, I would like a way to give feedback and suggestions regarding the website.
23.	As a user, I would like to revoke a requested item.

| 24. | As a user, I would like to cancel a delivery. |
| 25. | As a user, I would like to view events near my location. |

Non-Functional Requirements:

#	Functional Requirements
1.	As a user, I would like to have fast response times and minimal website buffering.
2.	As a developer, I would like to store data from a vast number of users.